JSP

JSP or Java Server Pages has to be executed on web server or app server just like servlet. JSP will both have HTML and java code. JSP is used for UI, front end or display purposes.

There are two major components of JSP which is the static content provided by HTML or XML and dynamic content that is generated by JSP tags and scriplets written in Java language to encapsulate the application logic.

A JSP will be converted to a servlet file. The servlet file is compiled and generates a class file then the class file is loaded into memory and executed by JVM. Like in servlet init(), service() and destroy(), jsp also has jspinit(), \_jspService(), jspdestroy(). Same as servlet, when jspInit() is called when jsp is loaded in memory. \_jspService() is called when client requests and jspDestroy() is invoked when jsp is removed from memory.

Advantages of JSP

* JSP is very easy to write when compared to servlets.
* JSP is modified it doesn’t need to be compiles and restarted in the web server.

ASP

ASP or Active Server Pages in the old days when the web first started all web pages are static that means it didn’t change. Active Server Pages is developed by Microsoft. Pages using ASP are developed in JavaScript and integrated into the HTML of web pages. Server-side ASP scripts can be used to store HTML from information in a database, personalize website or use different HTML features based on the browser.

Architecture

How ASP works

1. The browser requests file from the server
2. Server searches for and retrieves file from hard drive. If there is asp code the it processed.
3. Server returns file to your computer the asp code has been converted into html
4. Your browser interprets the asp file and displays it.